1970-73 DATSUN 240Z

240Z (1970-73)

DESCRIPTION

Rear suspension is a strut type independent suspension. Rear wheels are supported with strut and transverse link. The gear carrier is aligned independently and separately from the suspension, and gear carrier is mounted directly to body with rubber insulators. Rear axle housing is welded on lower end of strut which contains a shock absorber, and its lower side is connected to the transverse link through rubber bushings. At strut midpoint, the body is suspended with coil springs. The transverse link is attached to the body with rubber cushions. A horizontal leaf spring is connected to rear end of gear carrier.

REMOVAL & INSTALLATION

STRUT & COIL SPRING

Removal – 1) Block front wheels, raise rear end of vehicle, and support at body with stands. Remove rear wheels. Disconnect brake line coupler (body side) and parking brake linkage.

2) Remove transverse link outer self-locking nuts and bolt from lower end of bearing housing. Withdraw spindle and separate transverse link from strut assembly.

3) Disconnect drive half-shafts at both rear wheels. Remove strut mounting nuts from passenger's side, and remove strut assembly downward. *NOTE – When removing strut assembly, apply a jack to lower end of strut, and remove it gradually.*

4) For removal of coil spring, clamp strut assembly in vise with suitable strut attachment (ST35650000). Compress coil spring until strut mounting insulator can be turned by hand, then remove self-locking nut. Remove strut insulator, mounting bearing, and upper spring seat. Remove coil spring with tool still attached to spring.

Installation – To install, reverse removal procedure, noting the following: Tighten transverse link outer self-locking nut after rear wheels are installed and vehicle is lowered to ground.

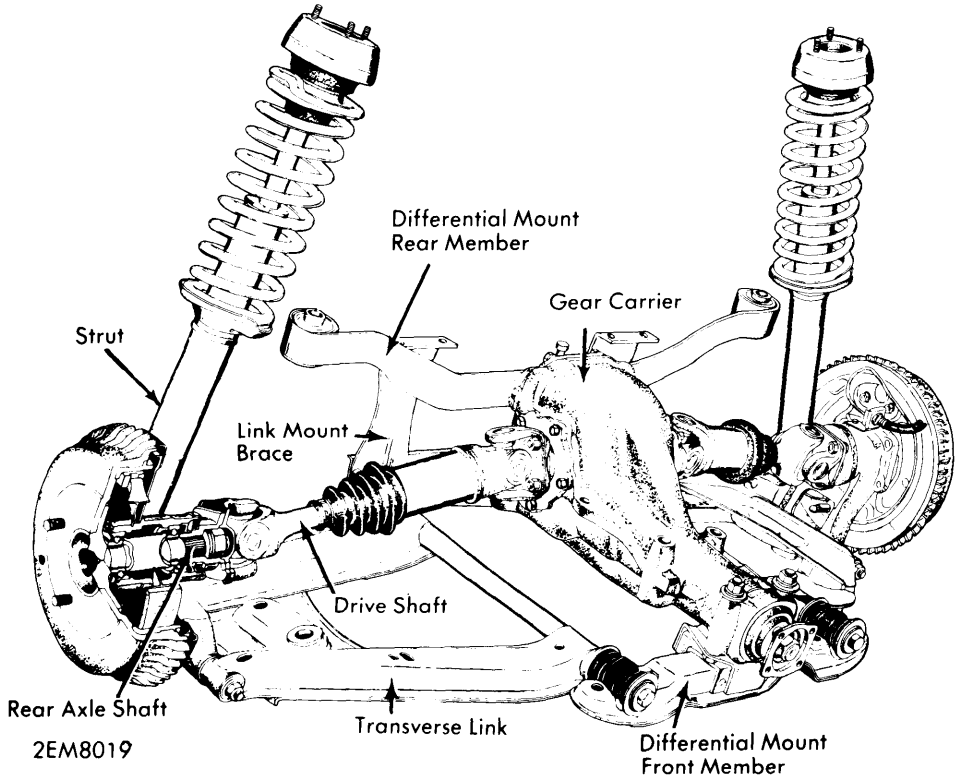
TRANSVERSE LINK

Removal – 1) Block front wheels, raise rear end of vehicle, and remove rear wheels. Separate transverse link from strut assembly. *Refer to Strut & Coil Spring above.* Support gear carrier with a jack.

2) Loosen transverse link inner bolts for both front and rear. Remove differential mount front insulator installation nut. Remove mount front member installation nuts, and remove differential mount front member.

3) Remove link mount rear bracket and withdraw the transverse link. Detach inner bushing and outer bushing from link.

Installation – To install, reverse removal procedure, noting the following: Tighten transverse link inner bolts and outer self-locking nut only after rear wheels are replaced and vehicle is under standard load (on the ground).



DATSUN 240Z REAR SUSPENSION

1970-73 DATSUN 240Z (Cont.)

REAR SUSPENSION ASSEMBLY

Removal – 1) Remove strut assemblies from both sides. *See procedure as outlined above.* Detach main muffler. Separate propeller shaft from final drive. Loosen transverse link inner bolts for front and rear. Support gear carrier with a jack.

2) Remove differential mount front member installation bolts. Unscrew link brace mounting bolt and differential mount rear insulator attaching bolt (for both sides). Lower jack slowly and remove rear suspension assembly.

Disassembly – 1) Remove link mount rear bracket and remove transverse link (for both sides). Unscrew drive shaft installation bolt (in gear carrier side), and separate drive shaft from gear carrier (both sides).

2) Extract inner and outer bushings from transverse link. Remove differential mount rear member and differential mount front insulator from gear carrier. Drift out differential mount rear insulator from rear member.

Installation – Assemble and install rear suspension assembly in reverse of removal procedure, noting the follwoing: When replacing transverse link inner bushing, apply bushing to link shaft and align projection on bushing horizontally. Align center of bushing to center of brakcet and temporarily tighten tranverse link inner bolts. Do not fully tighten inner bolts until installation is complete and vehicle has been lowered to ground. When differential carrier front insulator is installed, ensure arrow pints toward front.

TIGHTENING SPECIFICATIONS

Application	Ft. Lbs. (mkg)
Control Arm Outer Self-Locking Nut	60 (8.2)
Control Arm Inner Bolt	115 (15.2)
Control Arm Rear Bracket Bolts	28 (3.8)
Pivot Spindle Lock Bolt	8 (1.1)
Strut Upper Mounting Nuts	13 (1.8)
Differential Front Mount Bolts	28 (3.8)